

FIG. 1

1 AUTOMATIC SPEECH RECOGNITION SYSTEM

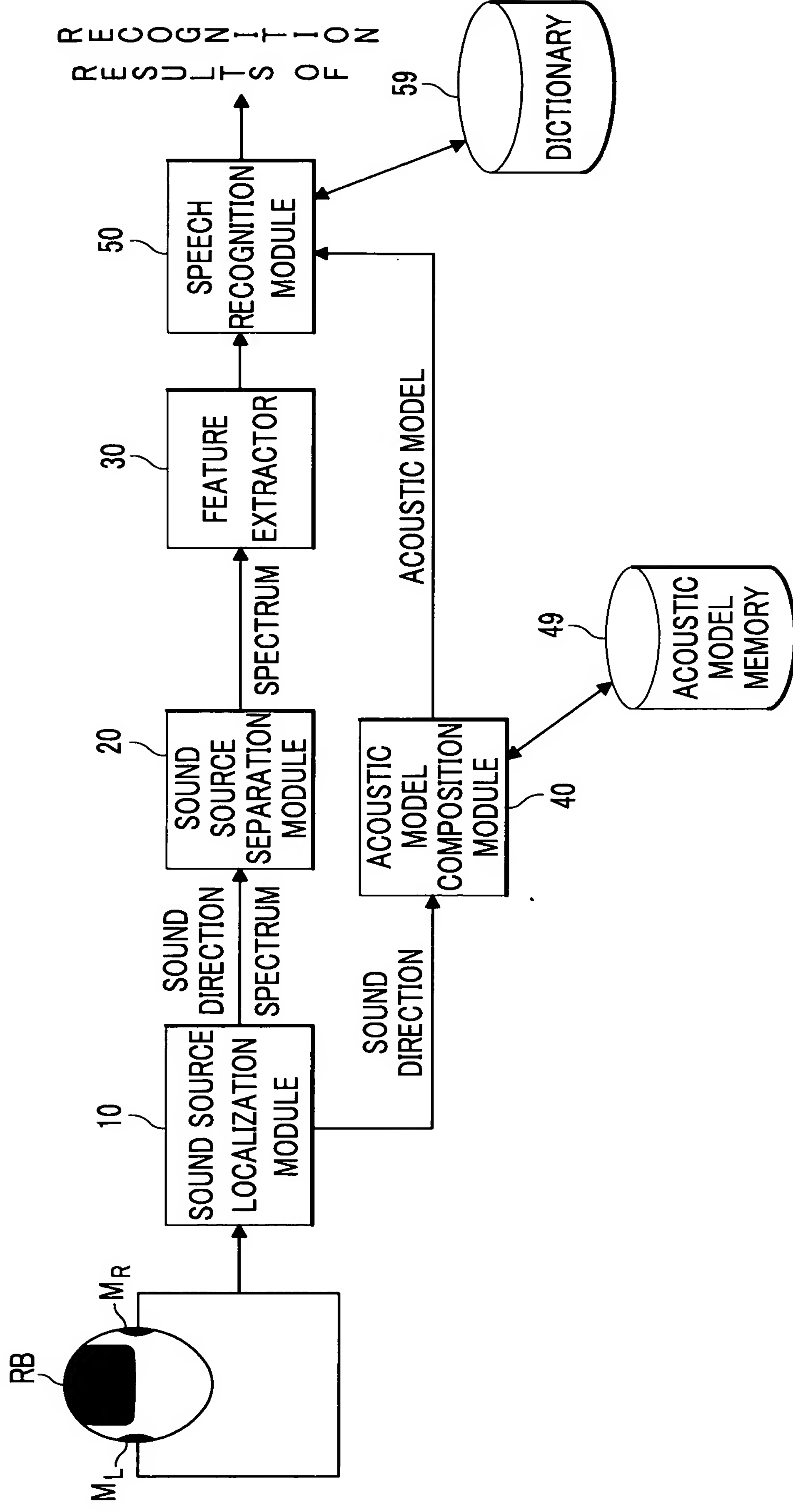


FIG. 2

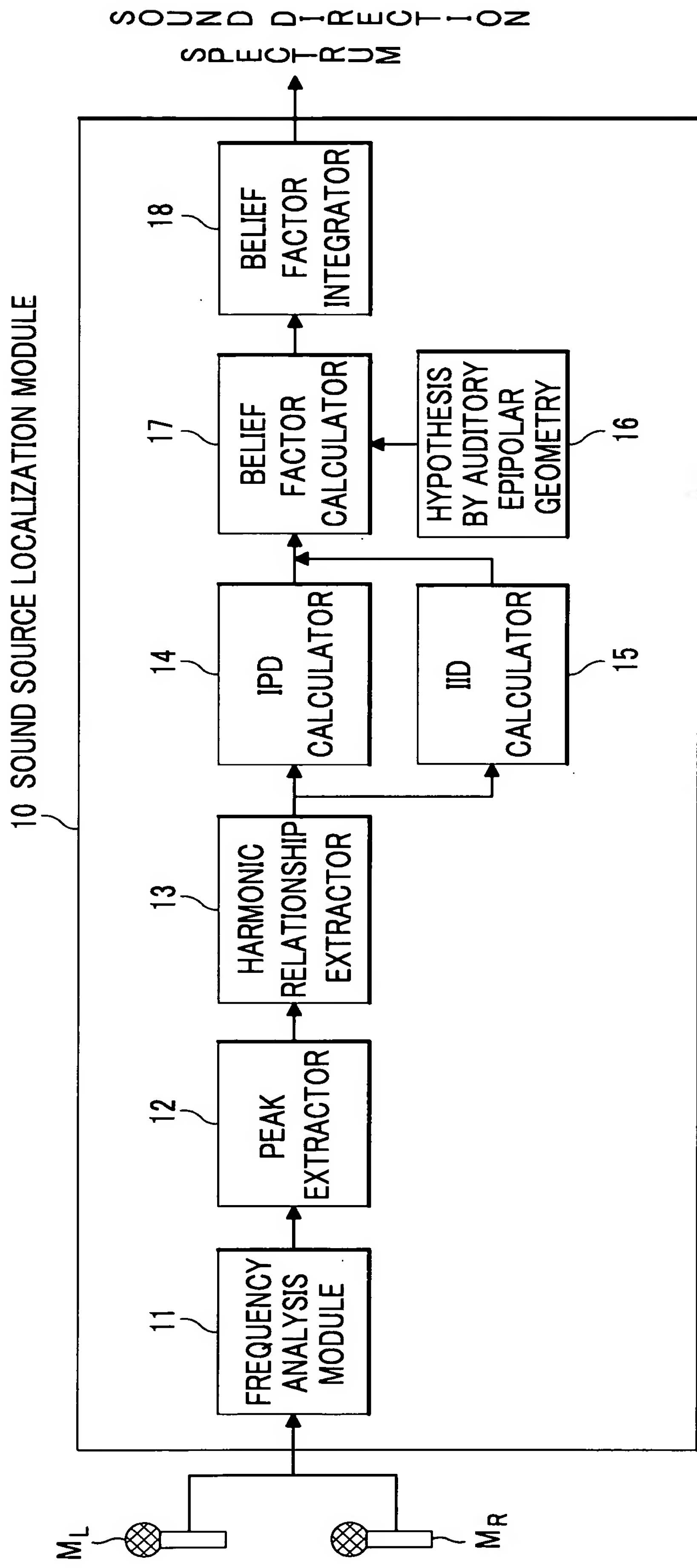


FIG. 3

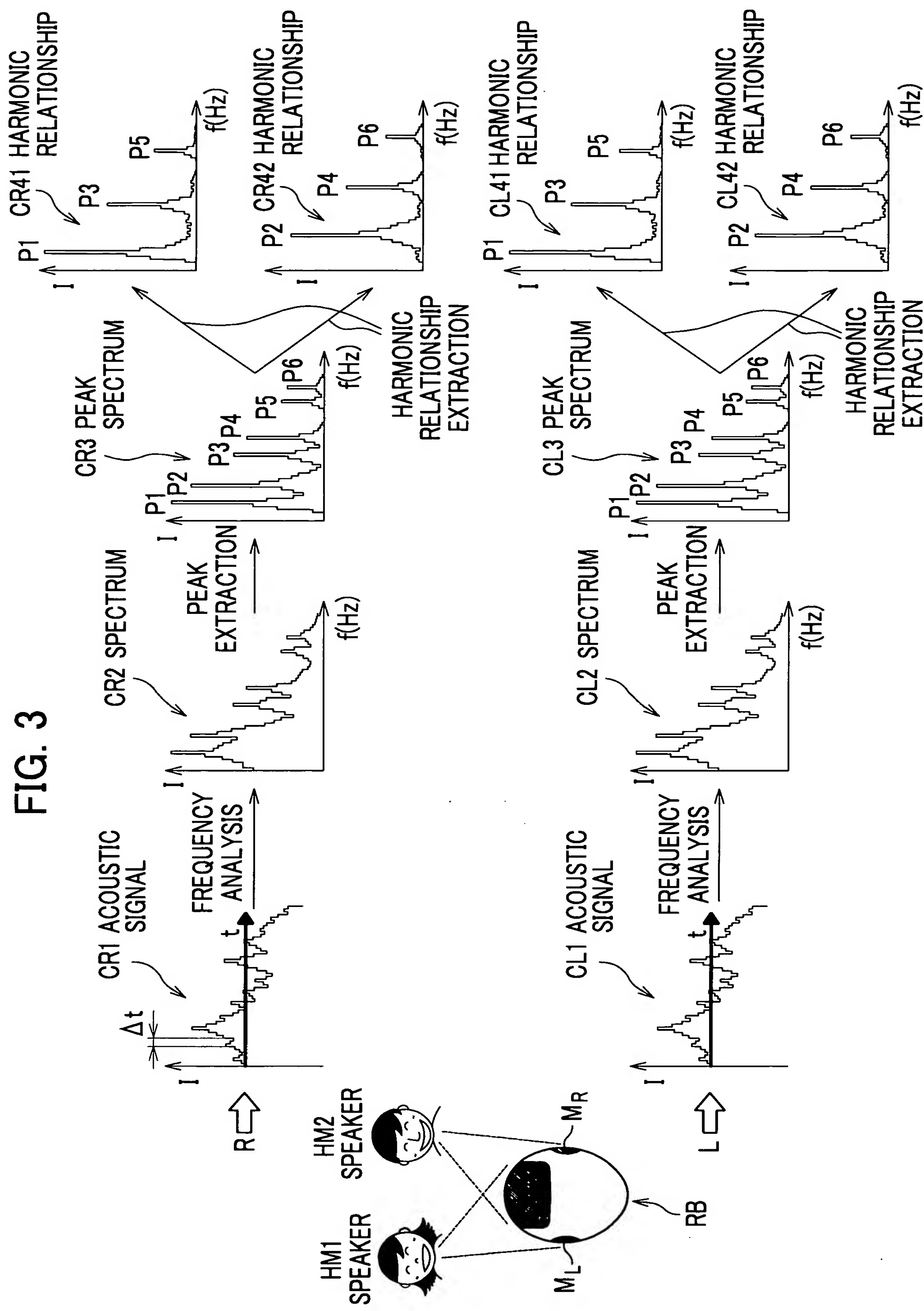


FIG. 4

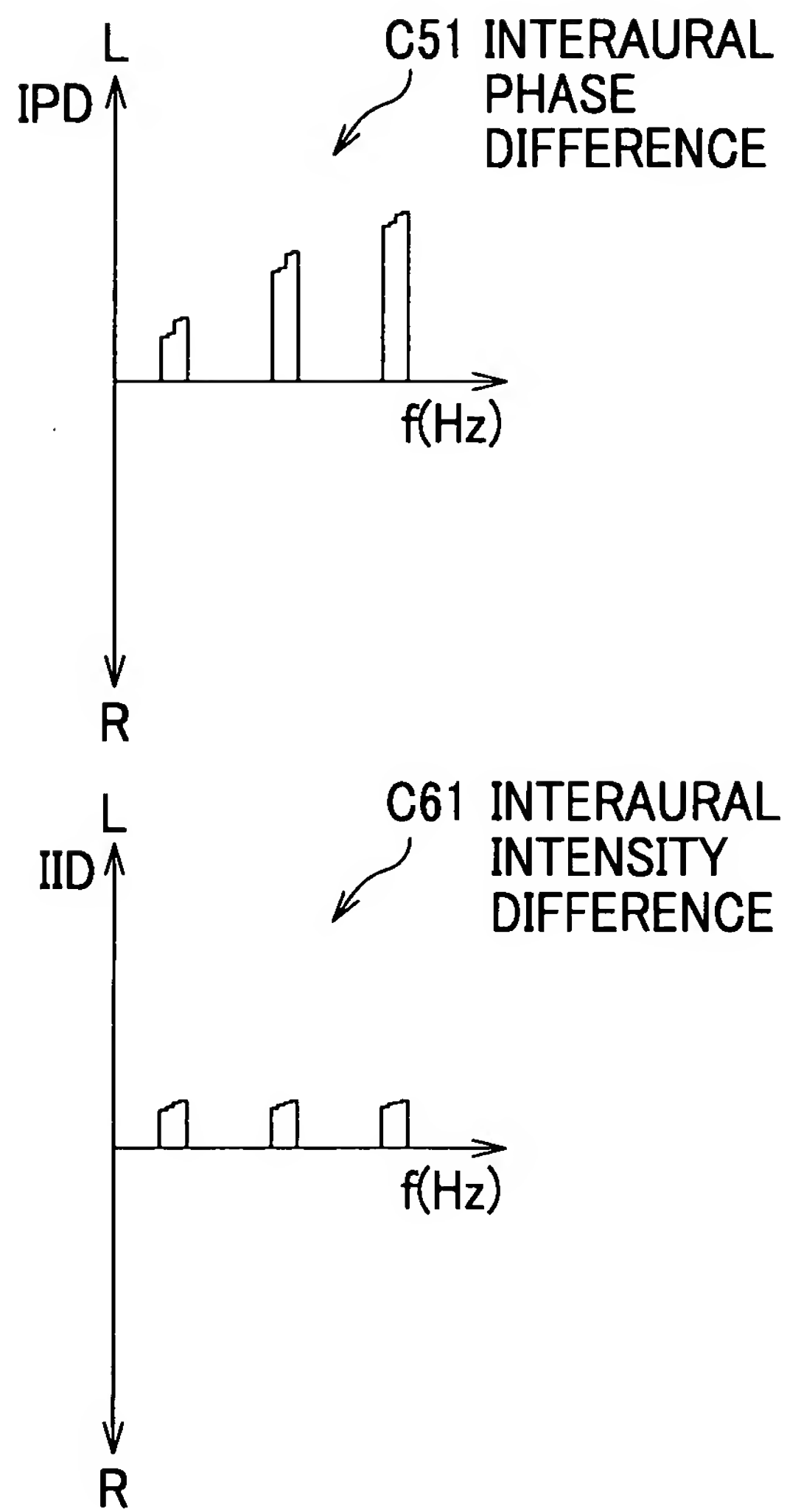


FIG. 5

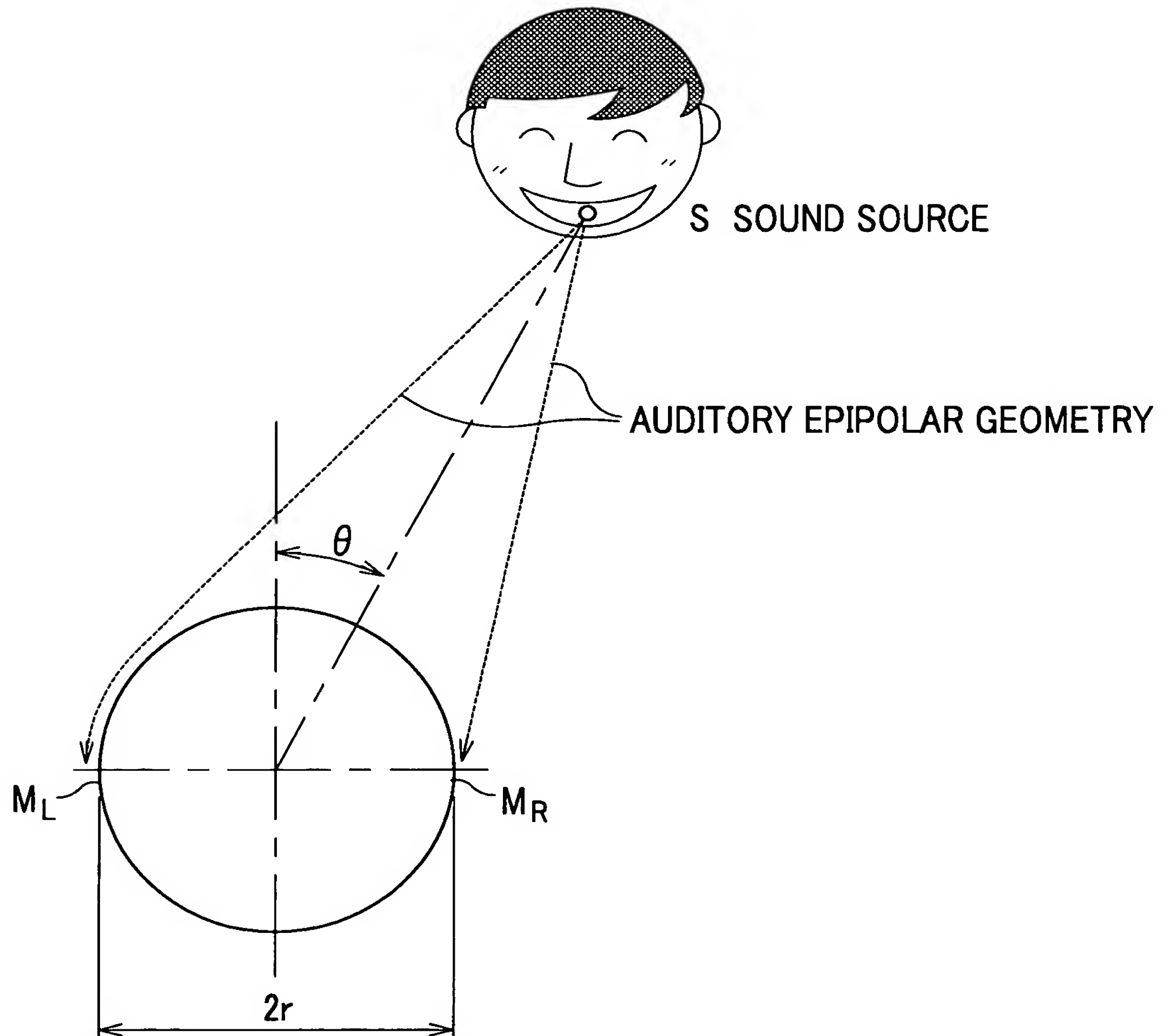


FIG. 6

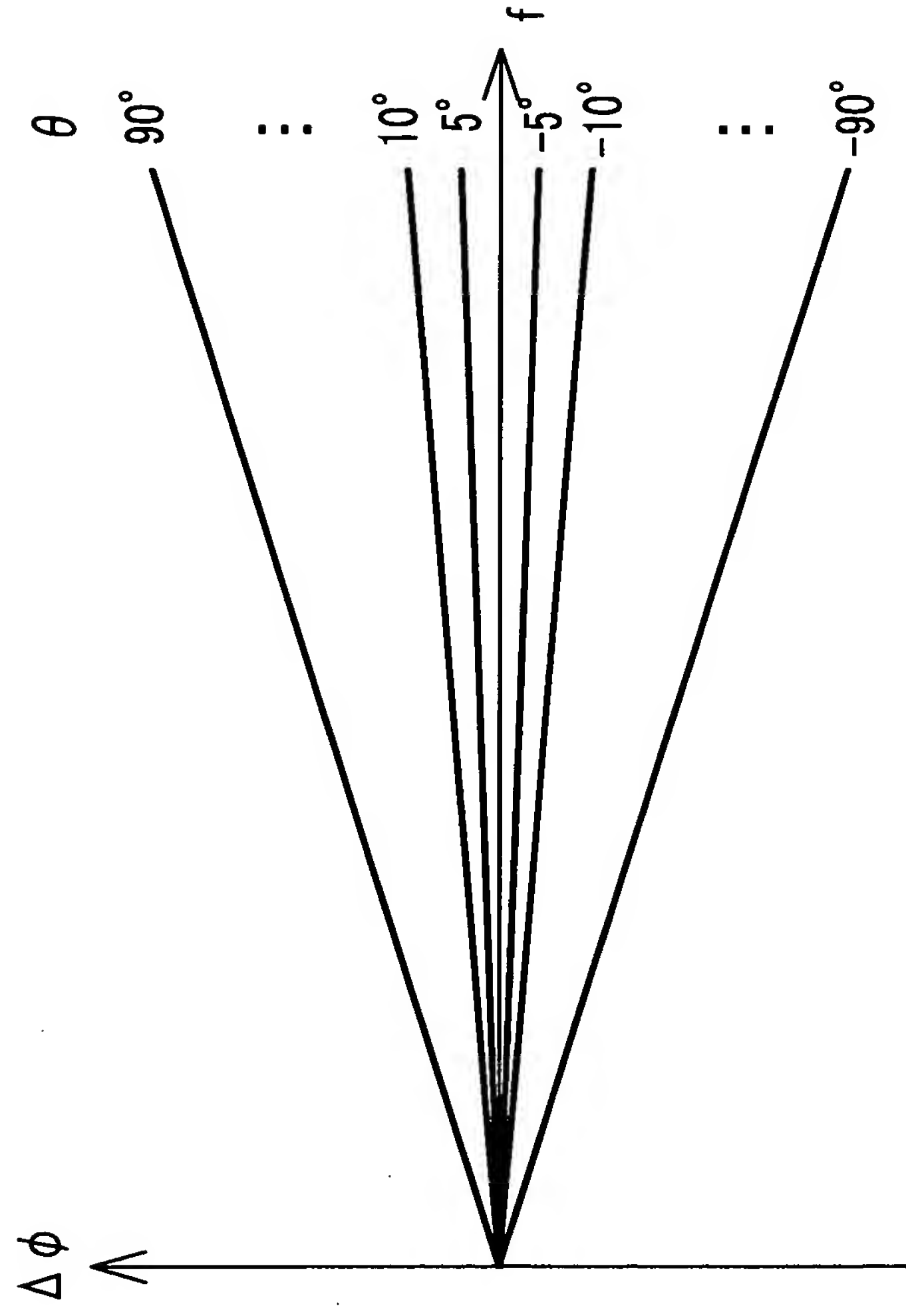


FIG. 7A

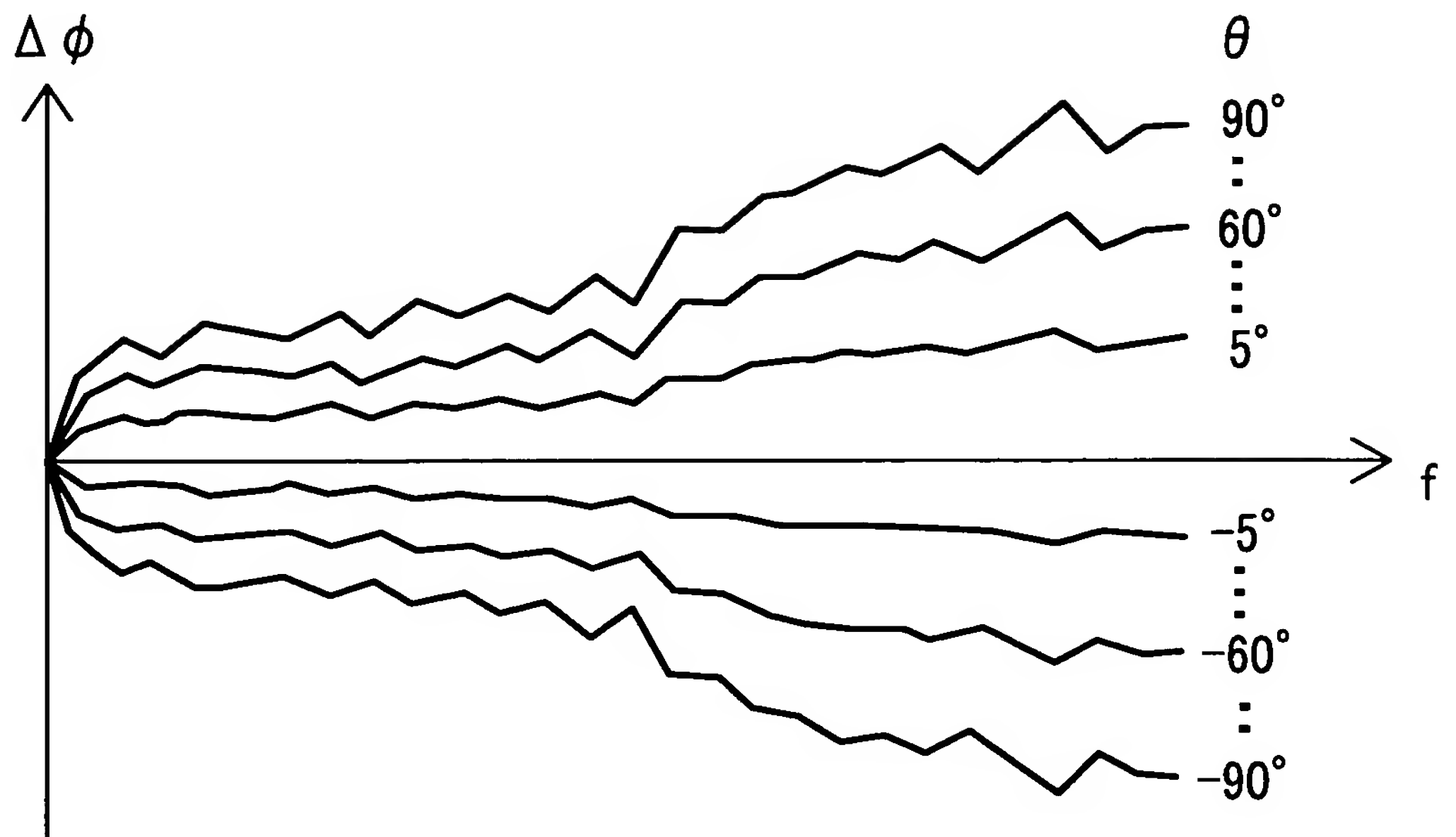


FIG. 7B

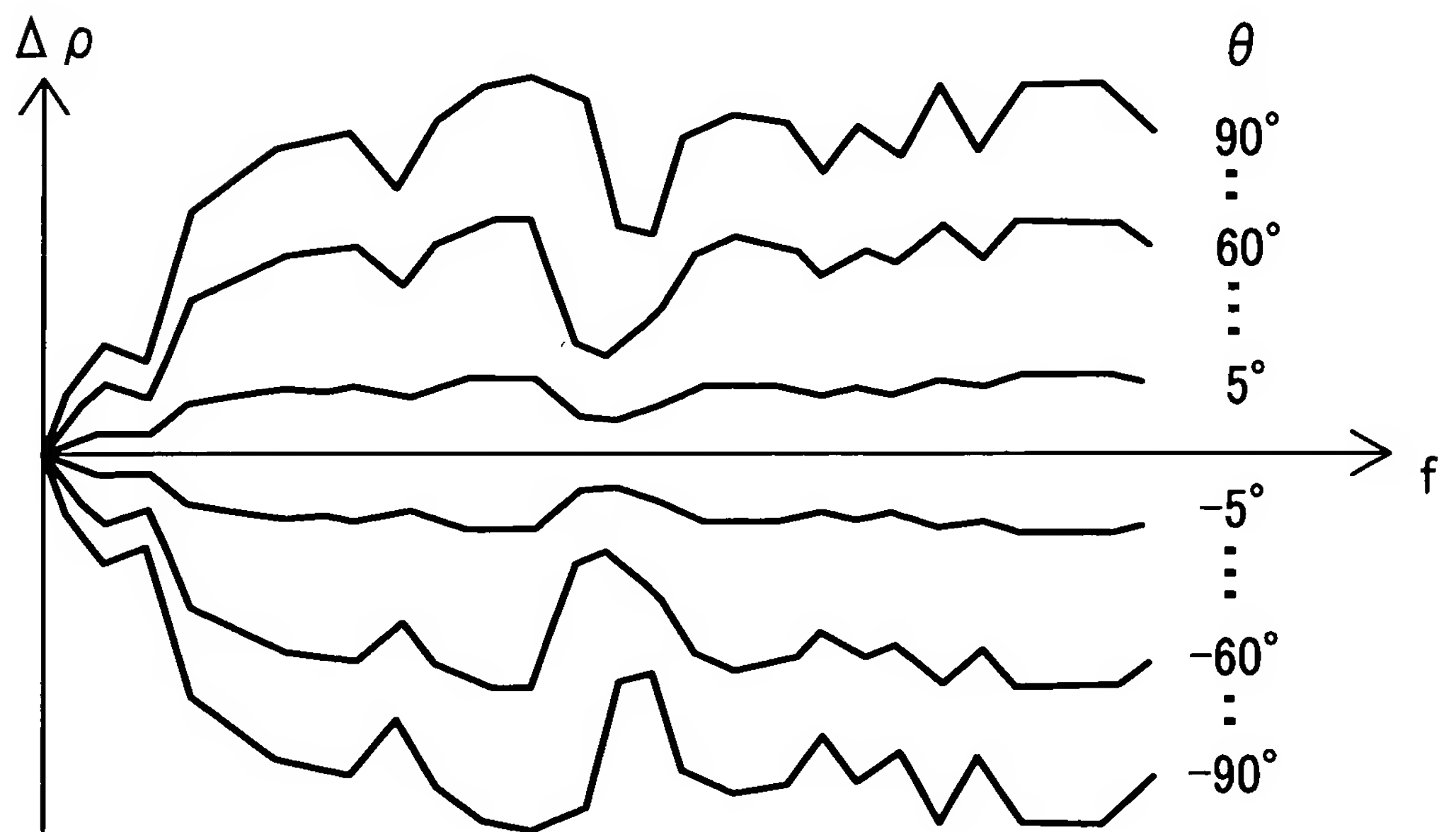


FIG. 8

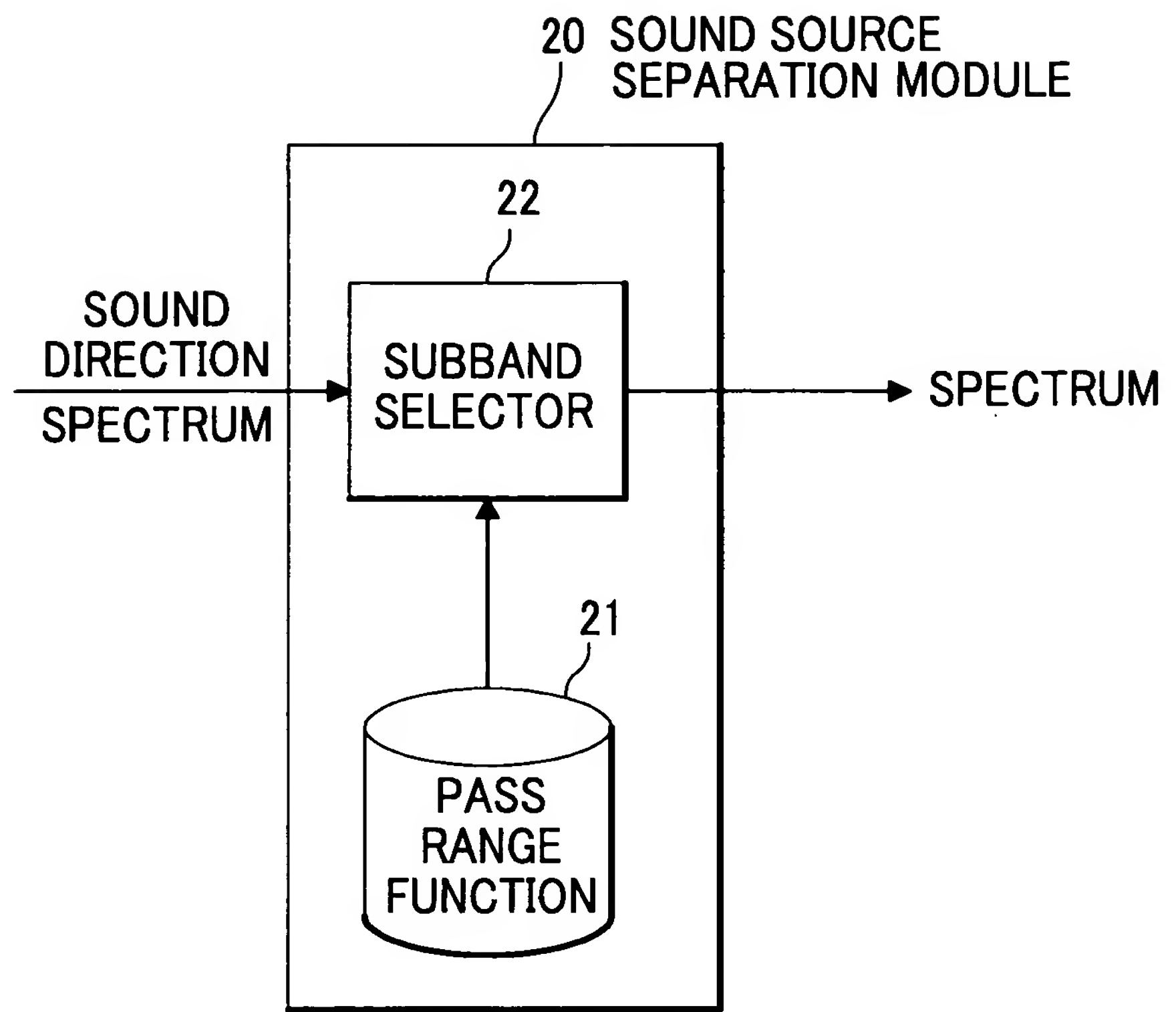


FIG. 9

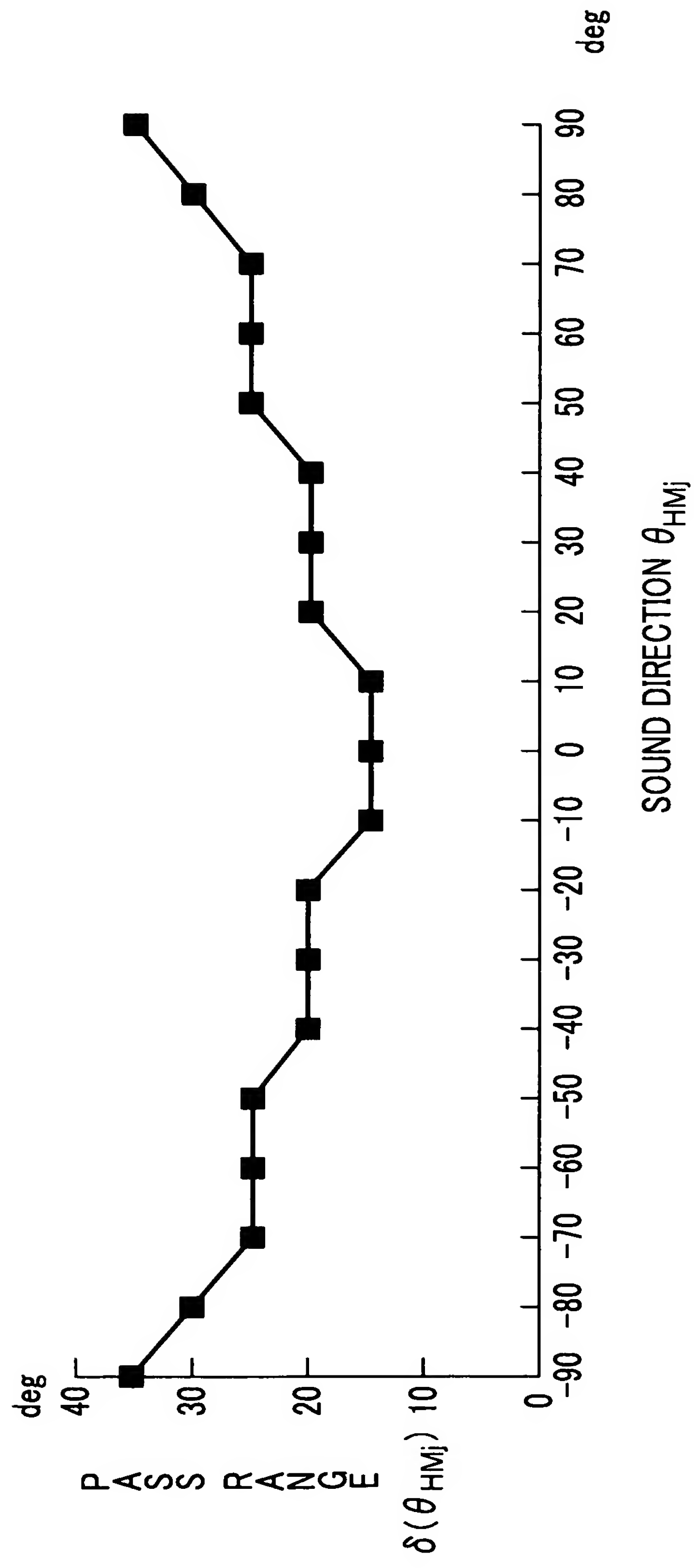


FIG. 10

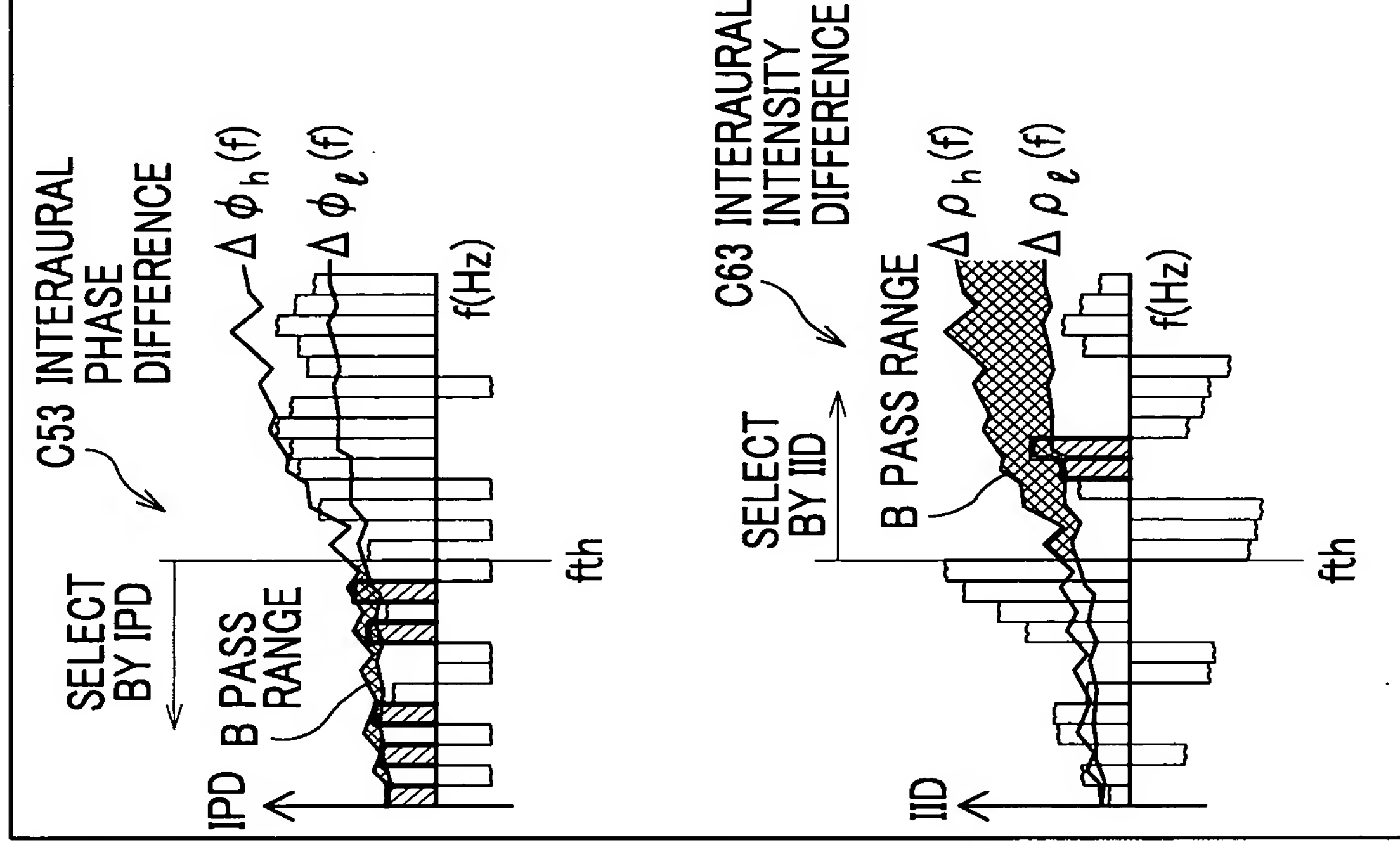
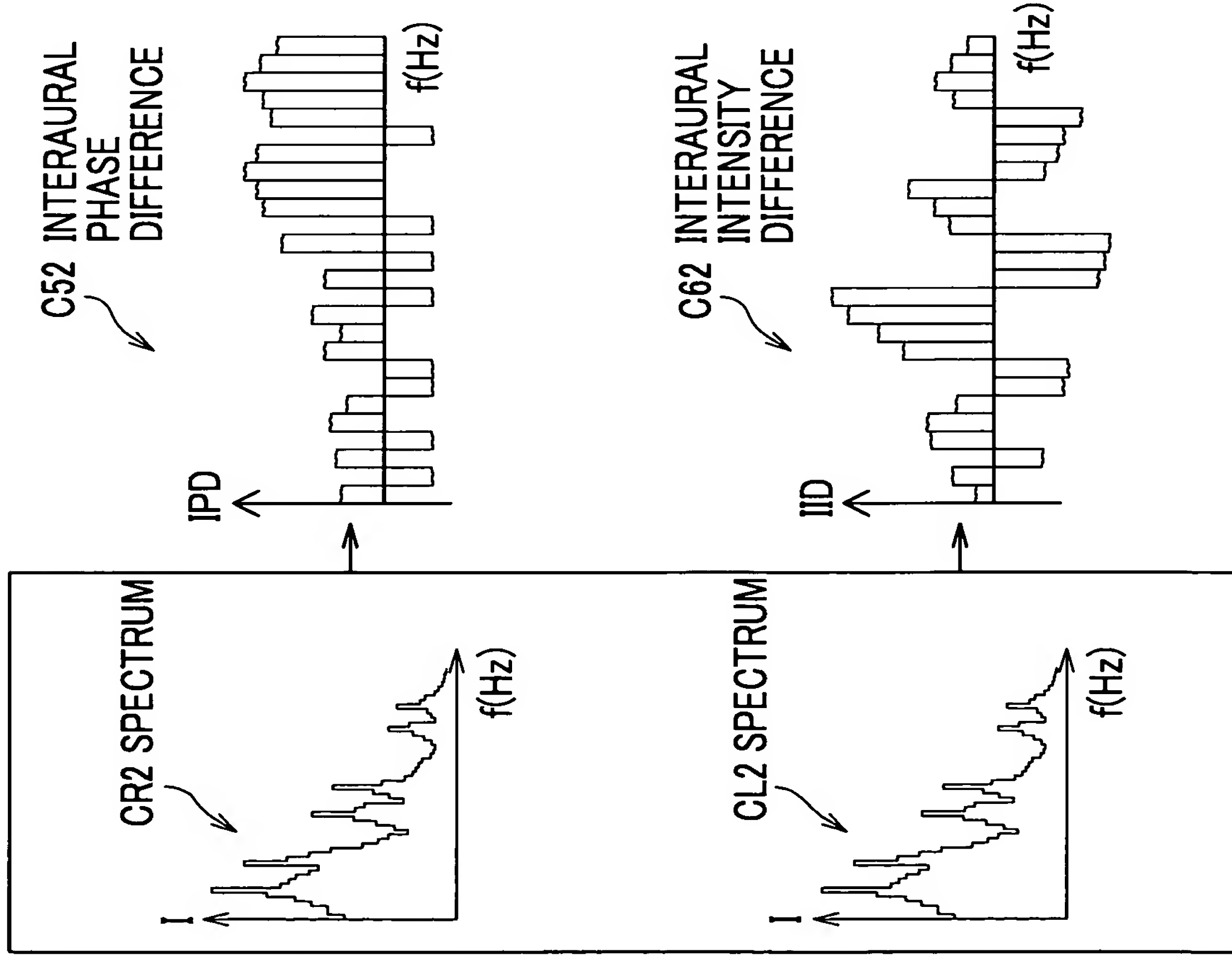


FIG. 11

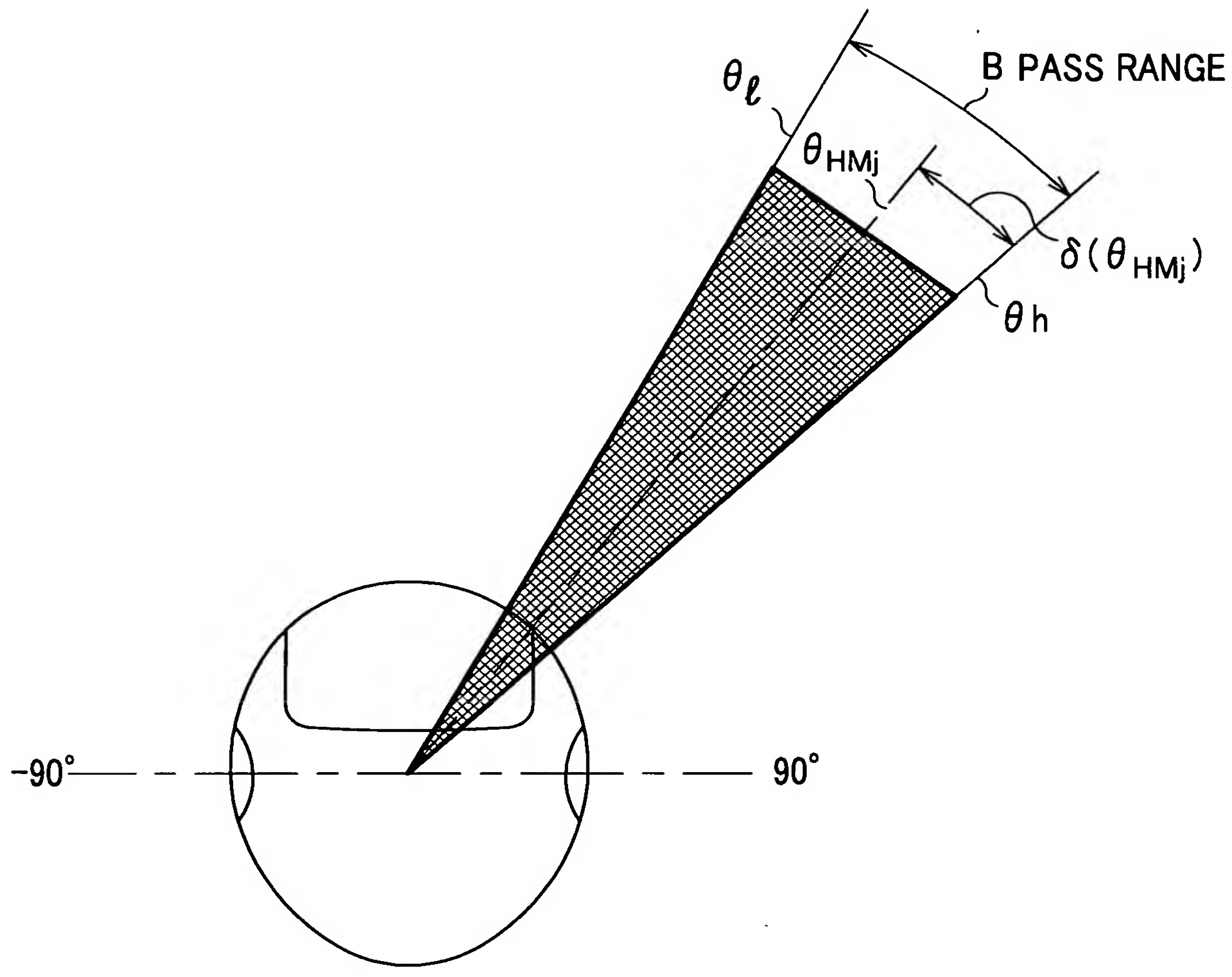


FIG. 12A

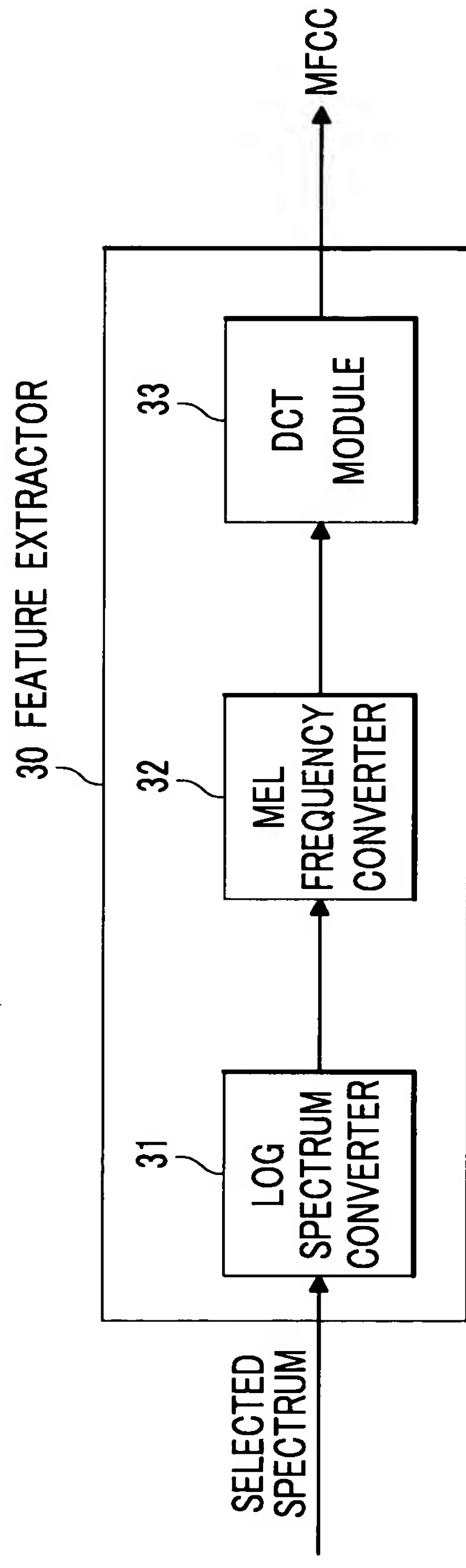


FIG. 12B

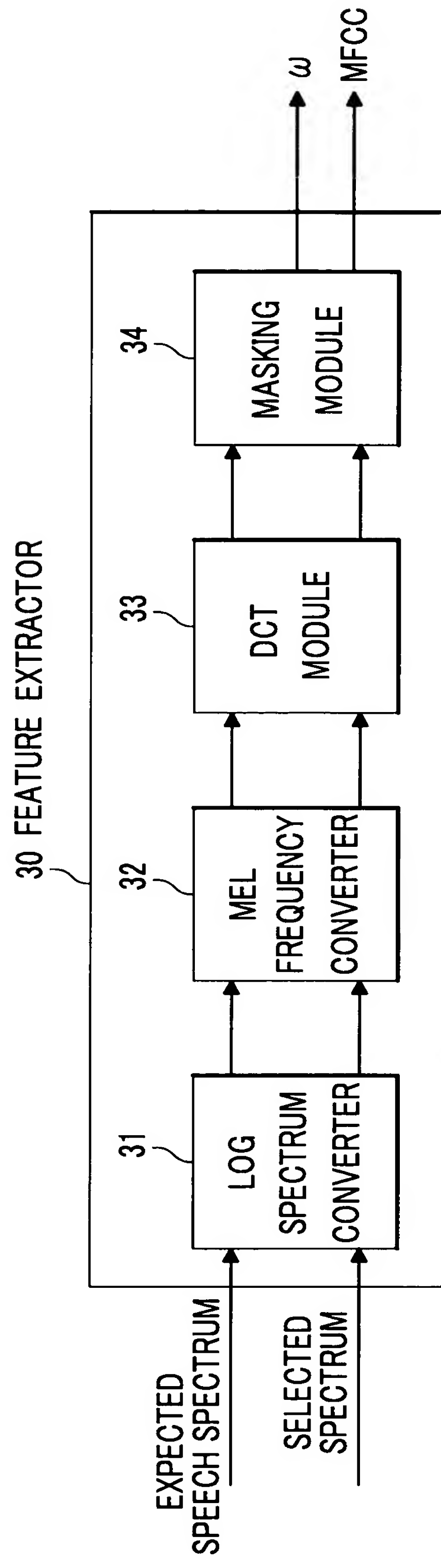


FIG. 13

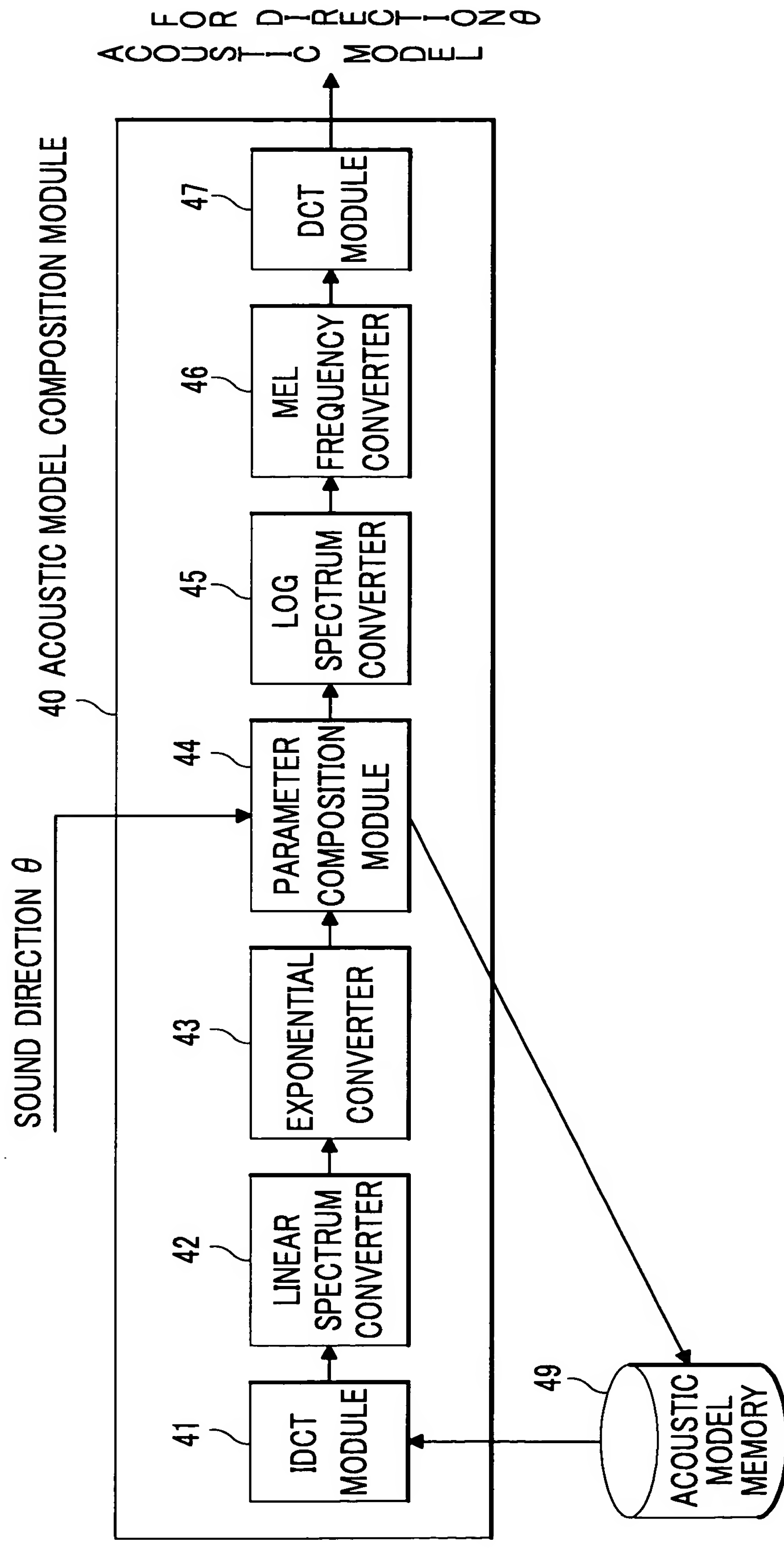


FIG. 14

UNIT FOR RECOGNITION	SUB-MODEL
/a/	$h(/a/, \theta_n)$
/b/	$h(/b/, \theta_n)$
\vdots	\vdots
m	$h(m, \theta_n)$
\vdots	\vdots

FIG. 15

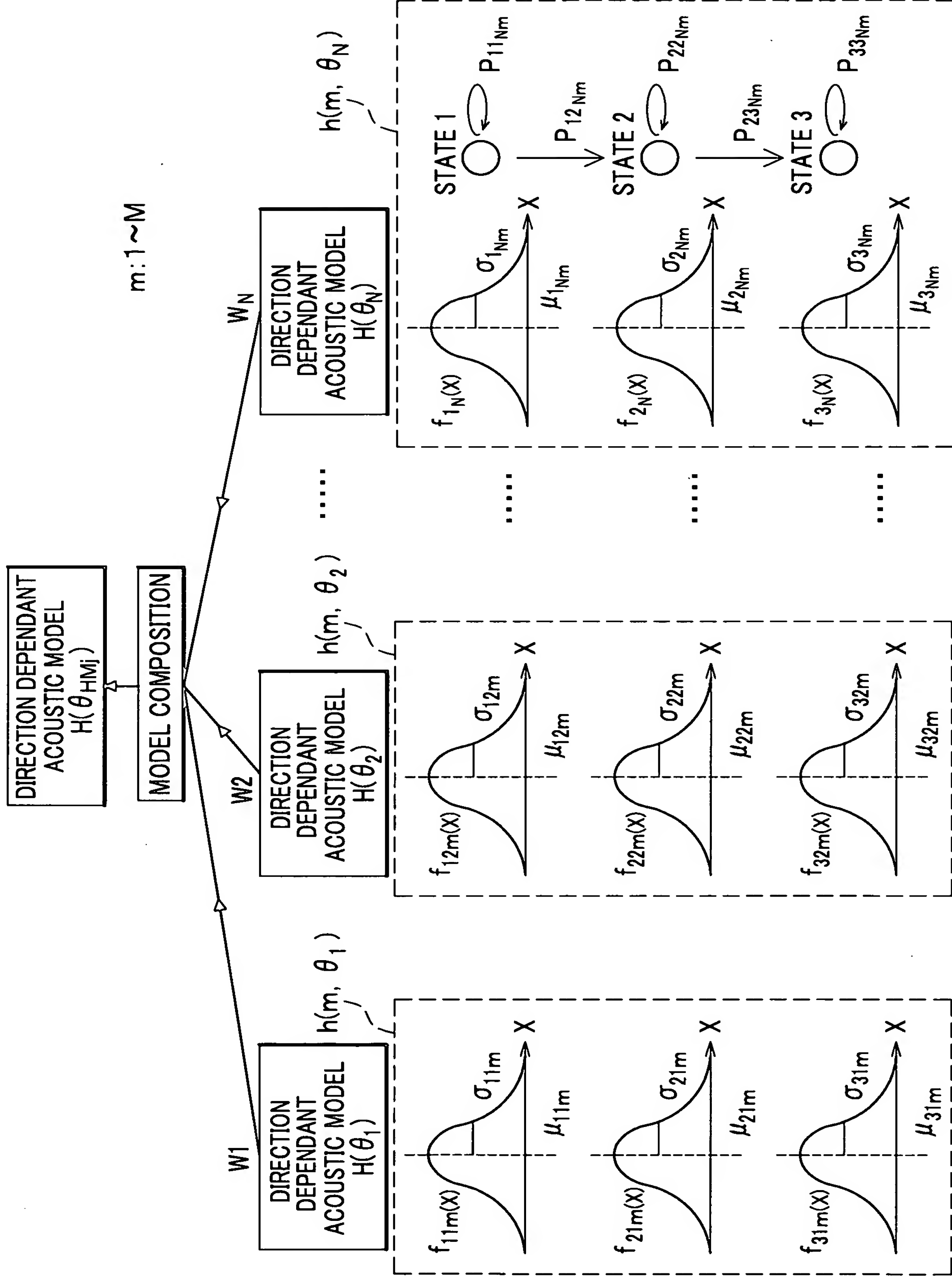


FIG. 16A

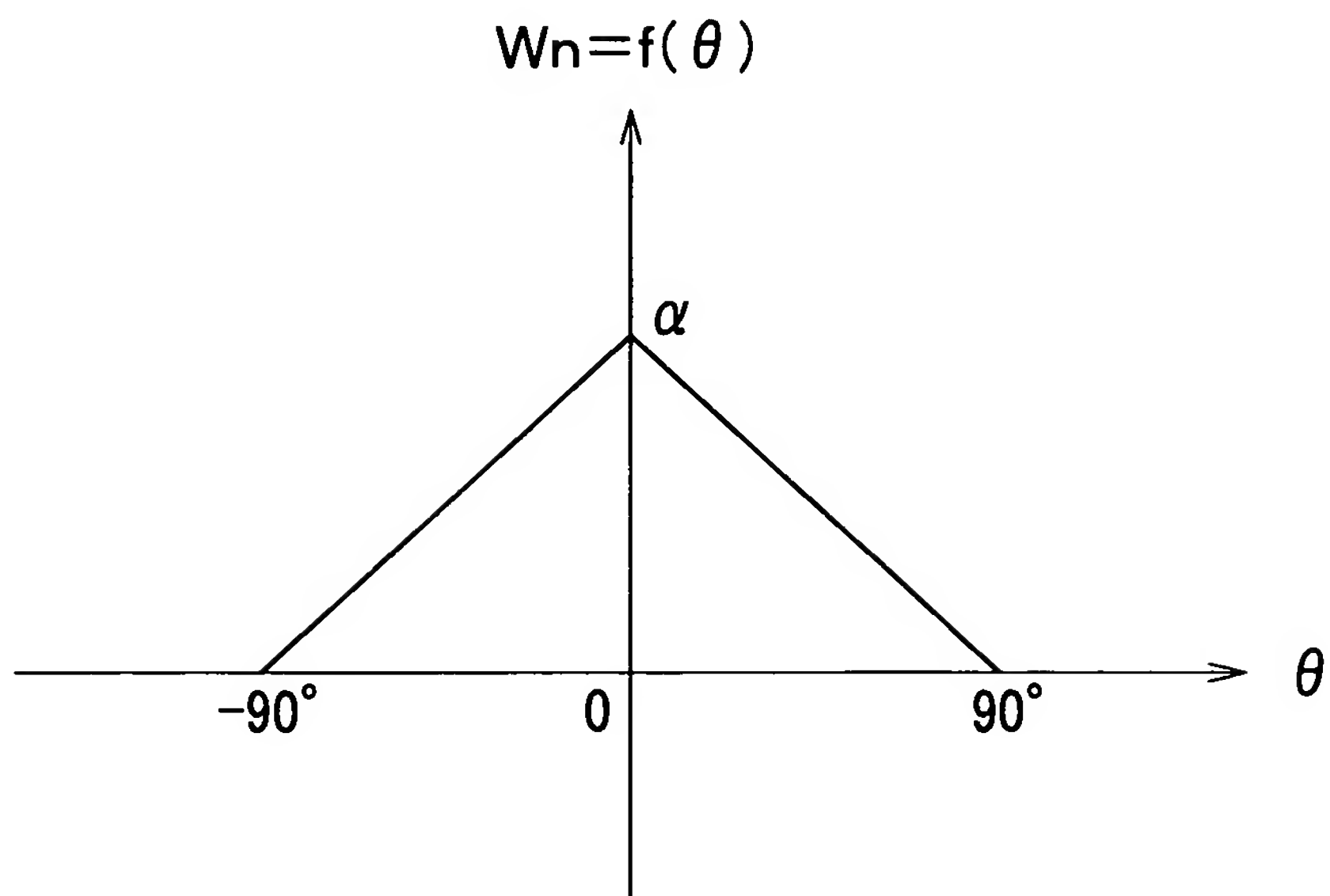


FIG. 16B

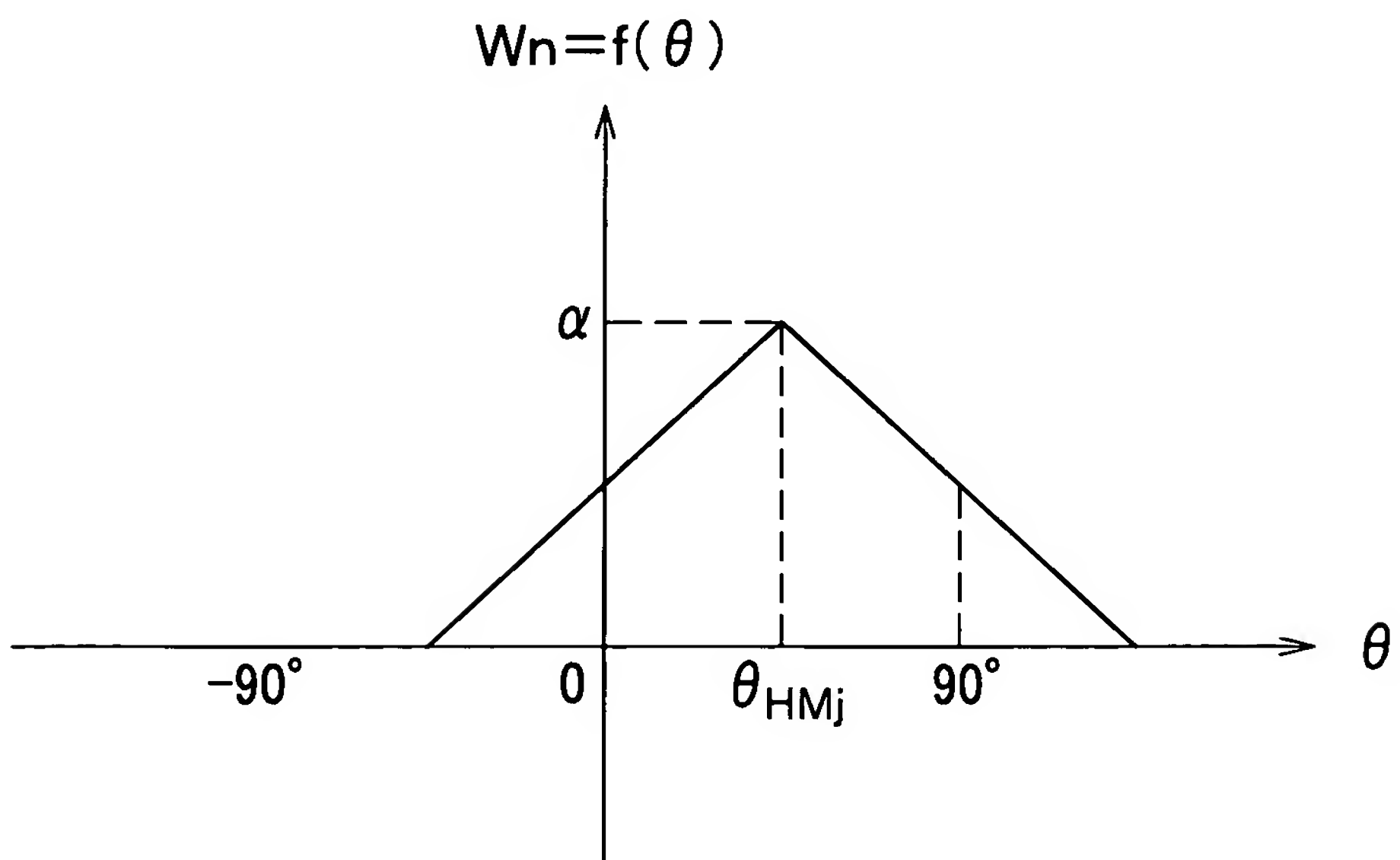


FIG. 17

UNIT FOR RECOGNITION	m	m'	m''
$H(\theta_{HMj})$	/x/	/y/	/z/
$H(\theta_{-90})$	/x/	/y/	m''
\vdots	\vdots	\vdots	\vdots
$H(\theta_n)$	m	/y/	/z/
\vdots	\vdots	\vdots	\vdots
$H(\theta_{90})$	m	/y/	m''

FIG. 18

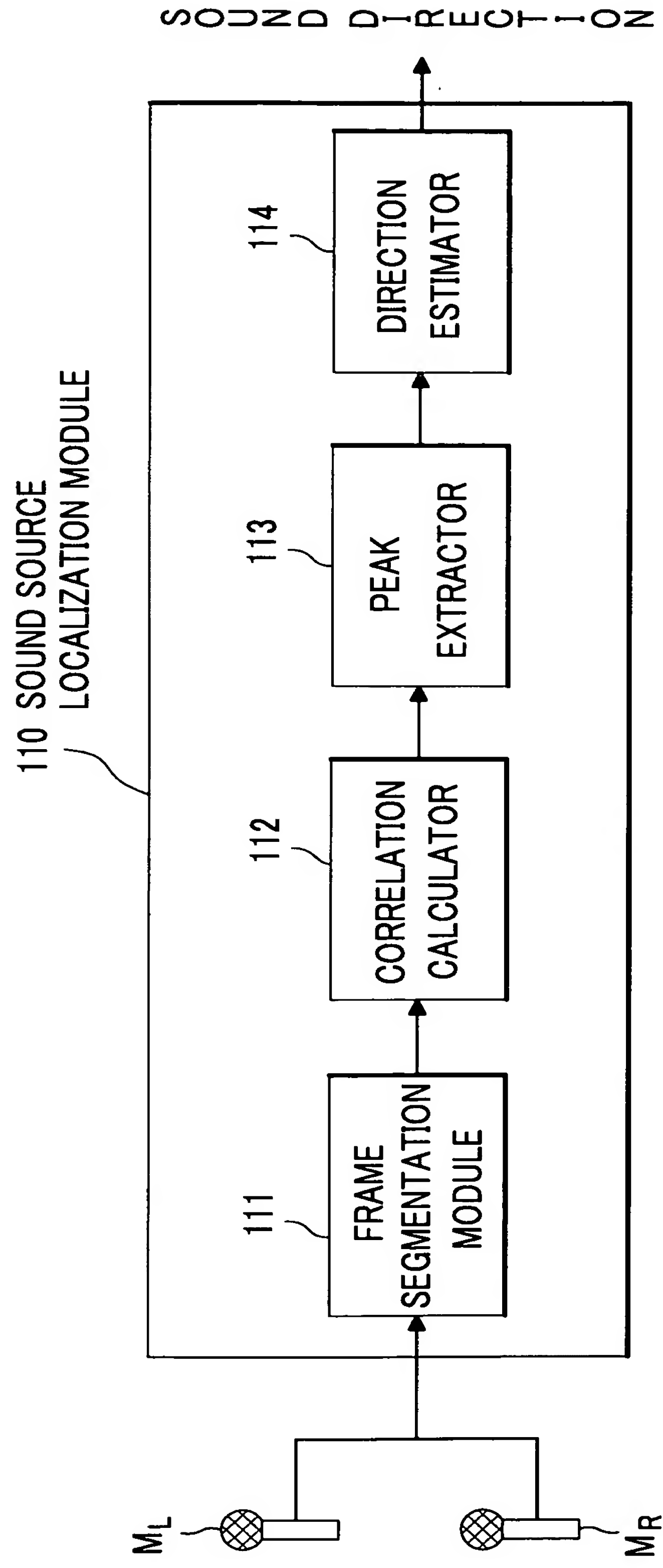


FIG. 19

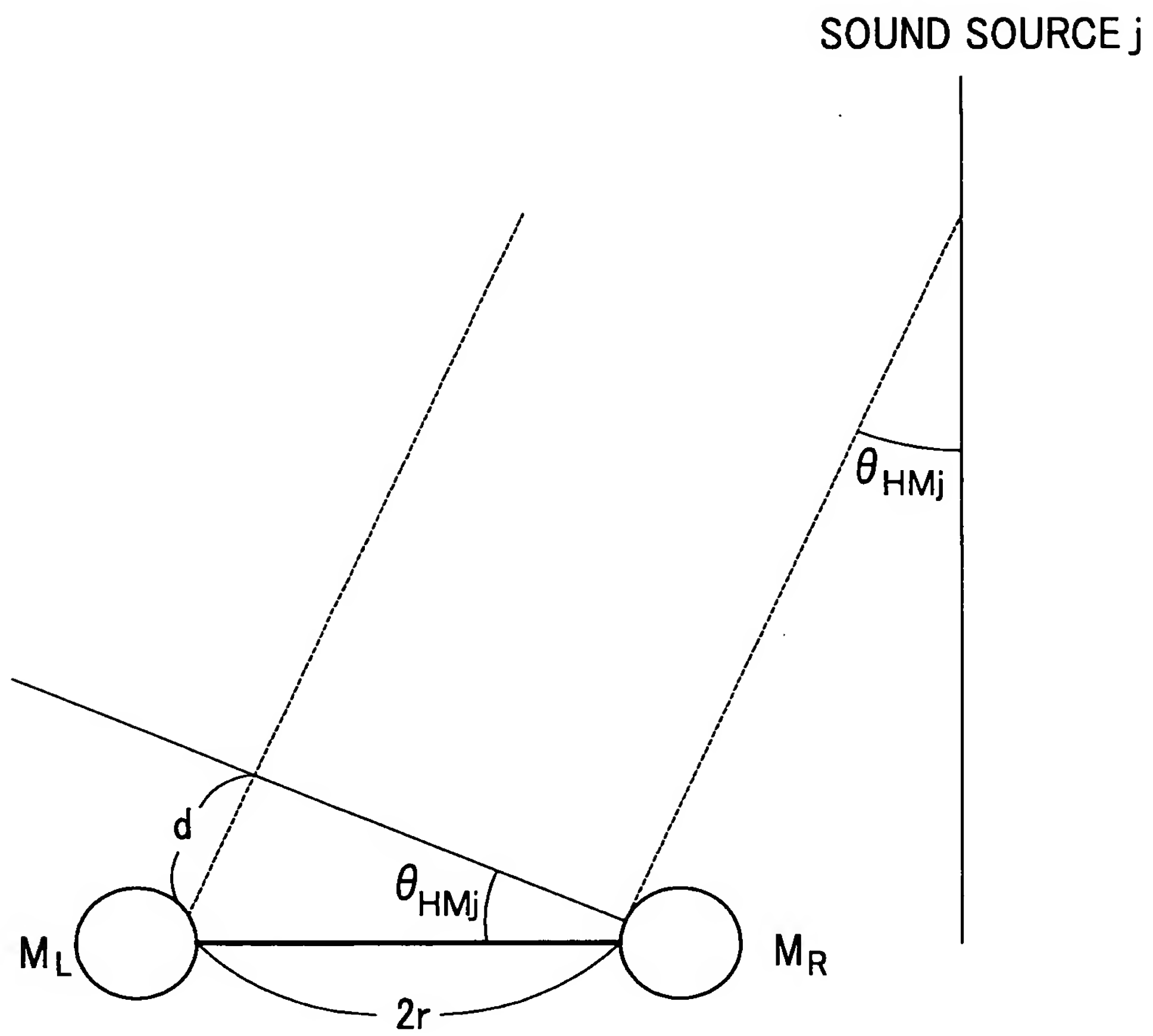


FIG. 20

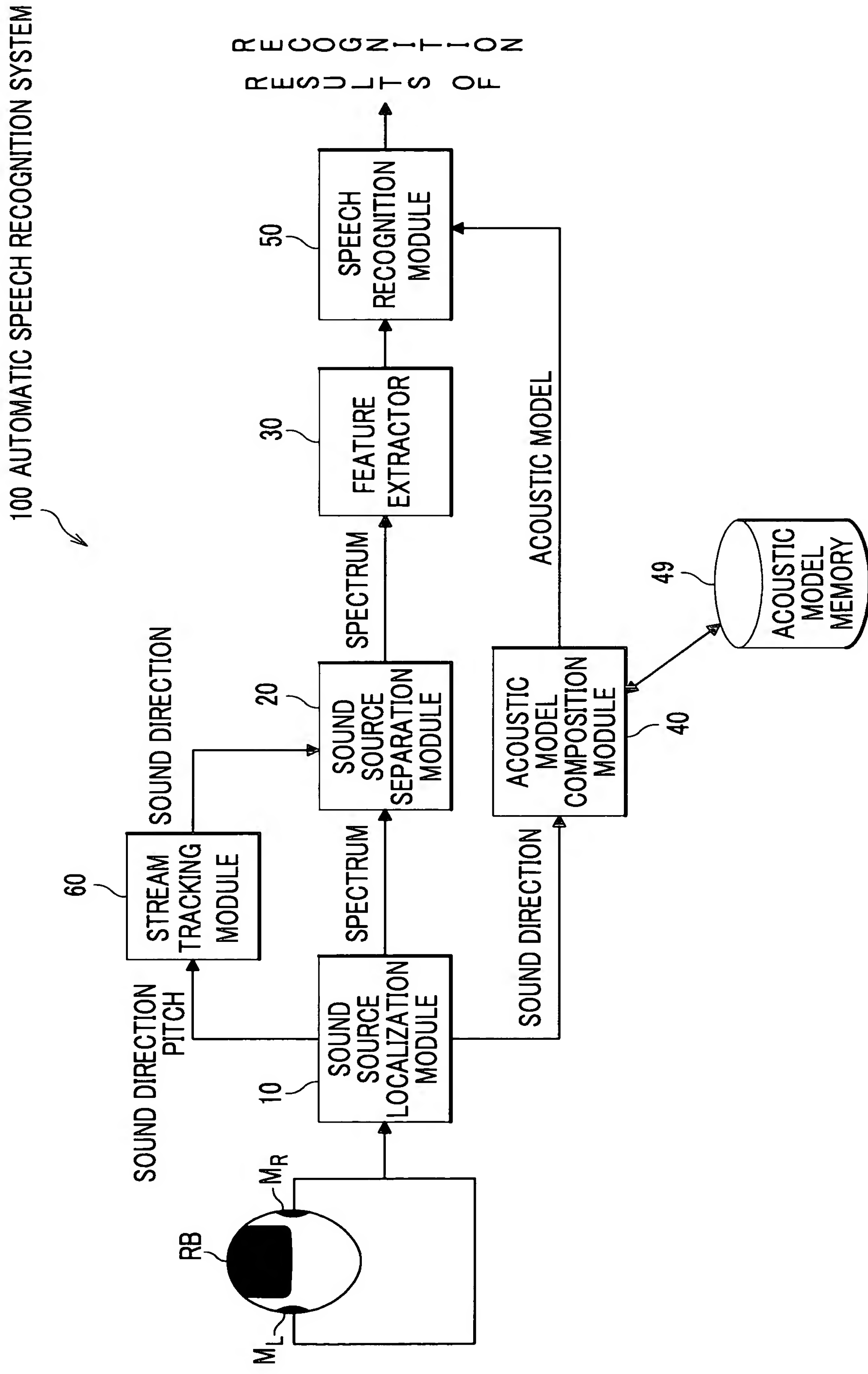


FIG. 21

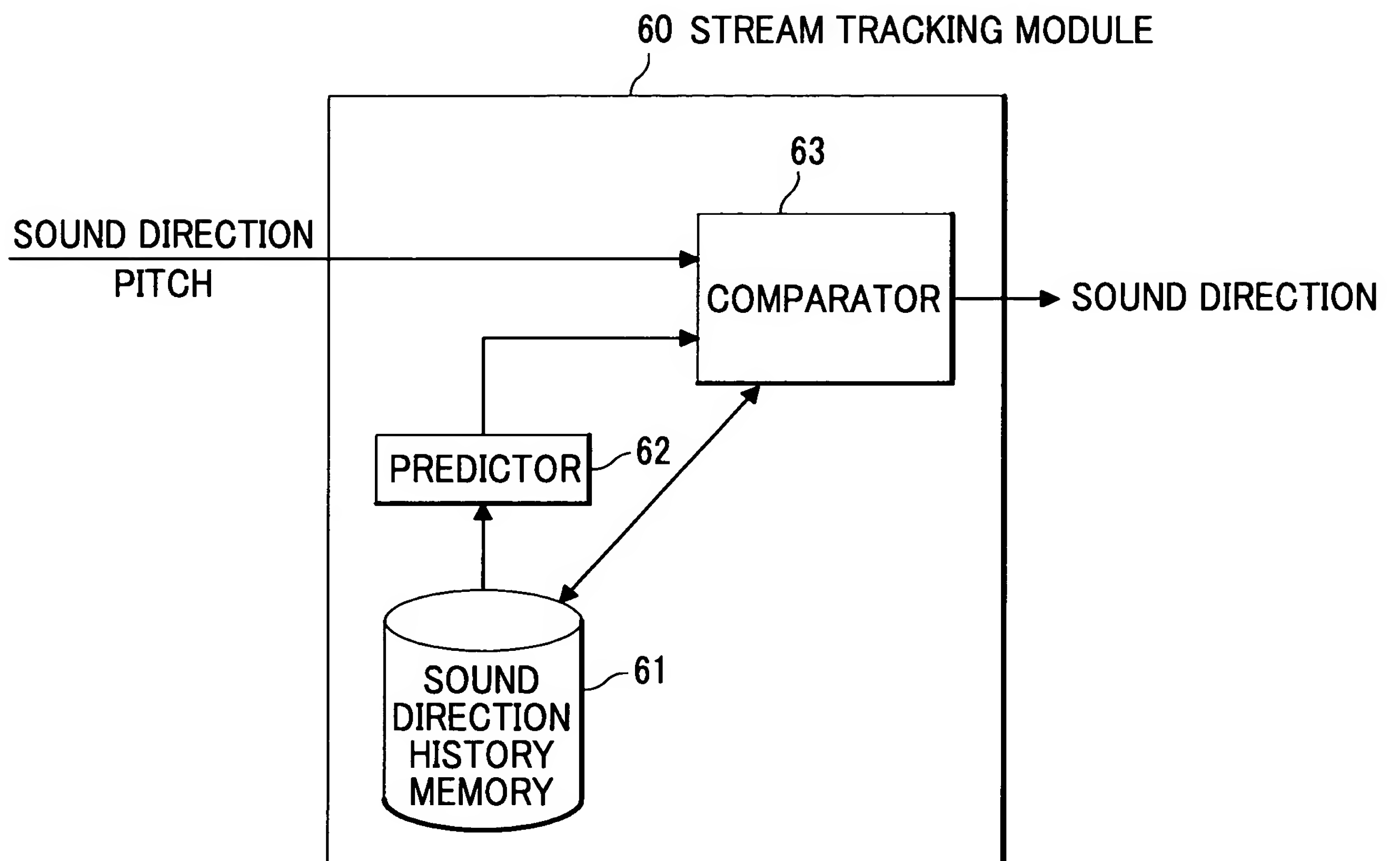


FIG. 22

